PROGRAM CHAIRMAN
David Kritchevsky

PROGRAM

List of Participants .......................................................... 3681

PLENARY SESSION

Introduction to the Workshop on Fat and Cancer.
David Kritchevsky and Diane J. Fink .................................. 3684
Epidemiological Correlations between Diet and Cancer Frequency.
Pelayo Correa ................................................................. 3685
Techniques for Carcinogenicity Studies.
Elizabeth K. Weisburger .................................................. 3690
Neutral Fats and Cancer.
Kenneth K. Carroll ......................................................... 3695
Dietary Fat and Its Relationship to Large Bowel Cancer.
Bandaru S. Reddy ............................................................. 3700
Lipids and Immune Function.
Joseph J. Vitale and Selwyn A. Broitman ............................... 3706
Obesity, Hormones, and Cancer.
Marvin A. Kirschner, Norman Ertel, and George Schneider .......... 3711
Lipids and Atherosclerosis.
Ivan D. Frantz, Jr. ............................................................. 3718

WORKING GROUP I

Epidemiology—Lipid-related Studies

Chairperson: Ernst L. Wynder
Rapporteur: Saxon Graham

Reassessment of the Role of Dietary Fat in Cancer Etiology.
James E. Enstrom ............................................................. 3722
Protocol for a Study of Nutritional Factors and the Low Risk of Colon Cancer in Southern Retirement Areas.
Regina G. Ziegler, William J. Blot, Robert Hoover, William A. Blattner, and Joseph F. Fraumeni, Jr. .............. 3724
Dietary Fat Intake and Cancer Incidence among Five Ethnic Groups in Hawaii.
Laurence N. Kolonel, Jean H. Hankin, Abraham M. Nomura, and Susan Y. Chu .................................................... 3727
Food Supply Studies and Consumption Survey Statistics on Fat in United States Diets.
Robert L. Rizek ................................................................. 3729
Some Methodological Issues in Epidemiological Studies of Fat and Cancer.
G. R. Howe ................................................................. 3731
Summary of Deliberations.
Saxon Graham ................................................................. 3733

WORKING GROUP II

Fatty Acids, Steroids, and Cancer

Chairperson: Gilbert A. Leveille
Rapporteur: Adrianne E. Rogers

Introduction.
Gilbert A. Leveille ............................................................ 3734
Mammary Carcinogenesis in Rats Fed Different Amounts and Types of Fat.
Adrienne E. Rogers and William C. Wetsel ............................ 3735
Cholesterol Excretion and Colon Cancer.
Selwyn A. Broitman ............................................................ 3738
### WORKING GROUP III

**Lipid Metabolites and Intestinal Flora**

*Chairperson: George V. Vahouny*

*Rapporteur: Ruth Kay*

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction.</td>
<td>3755</td>
</tr>
<tr>
<td>George V. Vahouny and Ruth Kay</td>
<td></td>
</tr>
<tr>
<td>Bile Acid Synthesis in Humans.</td>
<td>3757</td>
</tr>
<tr>
<td>Leon Swell, Jan Gustafsson, Henry Danielsson, Charles C. Schwartz, L. Gregg Halloran, and Z. Reno Vlahcevic</td>
<td></td>
</tr>
<tr>
<td>Effects of Bile Acids on Colon Carcinogenesis in Rats Treated with Carcinogens.</td>
<td>3759</td>
</tr>
<tr>
<td>Bertram Ira Cohen and Robert Franklin Raicht</td>
<td></td>
</tr>
<tr>
<td>Nature of Tissue-bound Lithocholic Acid and Its Implications in the Role of Bile Acids in Carcinogenesis.</td>
<td>3761</td>
</tr>
<tr>
<td>Nebila Turjman and Padmanabhan P. Nair</td>
<td></td>
</tr>
<tr>
<td>Ultrastructural Modifications of Intestinal and Colonic Mucosa Induced by Free or Bound Bile Acids.</td>
<td>3764</td>
</tr>
<tr>
<td>George V. Vahouny, Marie M. Cassidy, Fred Lightfoot, Lauretta Grau, and David Kritchevsky</td>
<td></td>
</tr>
<tr>
<td>Diet and Excretion of Bile Acids.</td>
<td>3766</td>
</tr>
<tr>
<td>Bandaru S. Reddy</td>
<td></td>
</tr>
<tr>
<td>Animal Studies Implicating Fat and Fecal Steroids in Intestinal Cancer.</td>
<td>3769</td>
</tr>
<tr>
<td>Norman D. Nigro</td>
<td></td>
</tr>
<tr>
<td>Effect of Diet on Excretion of Estrogens in Pre- and Postmenopausal Women.</td>
<td>3771</td>
</tr>
<tr>
<td>Barry R. Goldin, Herman Adlercreutz, Johanna T. Dwyer, Linda Swenson, James H. Warram, and Sherwood L. Gorbach</td>
<td></td>
</tr>
<tr>
<td>Effects of Diet on the Fecal Excretion of Acidic and Neutral Steroids, and Implications for Colon Carcinogenesis.</td>
<td>3774</td>
</tr>
<tr>
<td>Ruth M. Kay</td>
<td></td>
</tr>
<tr>
<td>Diet and the Human Intestinal Bacterial Flora.</td>
<td>3778</td>
</tr>
<tr>
<td>M. J. Hill</td>
<td></td>
</tr>
<tr>
<td>Summary, Conclusion, and Recommendations.</td>
<td>3781</td>
</tr>
<tr>
<td>George V. Vahouny and Ruth Kay</td>
<td></td>
</tr>
</tbody>
</table>

### WORKING GROUP IV

**Lipids and the Immune System**

*Chairperson: Paul M. Newberne*

*Rapporteur: Gary B. Thurman*

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dietary Fat, Immunological Response, and Cancer in Rats.</td>
<td>3783</td>
</tr>
<tr>
<td>Paul M. Newberne</td>
<td></td>
</tr>
<tr>
<td>Plasma Lipoproteins with Bioregulatory Properties Including the Capacity to Regulate Lymphocyte Function and the Immune Response.</td>
<td>3786</td>
</tr>
<tr>
<td>Thomas S. Edgington and Linda K. Curtis</td>
<td></td>
</tr>
<tr>
<td>Difference in the Ability of Compactin and Oxidized Cholesterol, Both Known Inhibitors of Cholesterol Biosynthesis, to Suppress in Vitro Immune Responses.</td>
<td>3789</td>
</tr>
<tr>
<td>Gillian M. K. Humphries</td>
<td></td>
</tr>
<tr>
<td>Cholesterol and Its Biosynthesis in Normal and Malignant Lymphocytes.</td>
<td>3792</td>
</tr>
<tr>
<td>H. J. Heiniger</td>
<td></td>
</tr>
</tbody>
</table>

**SEPTEMBER 1981**

3679
Immune Response in Overnutrition.
R. K. Chandra ................................................................. 3795

Impact of Infectious Disease upon Fat Metabolism and Immune Functions.
William R. Beisel .......................................................... 3797

Inhibition by Membrane-bound Low-Density Lipoproteins of the Primary Inductive Events of Mitogen-stimulated Lymphocyte Activation.
Judith A. K. Harmony and David Y. Hui .................................. 3799

Report and Recommendations.
Paul M. Newberne and Gary B. Thurman .................................. 3803

WORKING GROUP V
Hormones, Fat, and Cancer
Chairperson: Samuel B. Tove
Rapporteur: Barnett Zumoff

Influence of Obesity and Malnutrition on the Metabolism of Some Cancer-related Hormones.
Barnett Zumoff ................................................................. 3805

Mechanisms by Which Dietary Fat May Stimulate Mammary Carcinogenesis in Experimental Animals.
Leonard A. Cohen .............................................................. 3808

Endocrine Parameters and α-Tocopherol Therapy of Patients with Mammary Dysplasia.
Robert S. London, G. S. Sundaram, Michael Schultz, P. P. Nair, and Phillip J. Goldstein ................................. 3811

Serum Hormones and Lipoproteins in Benign Breast Disease.
G. S. Sundaram, Robert London, Simeon Margolis, Robert Wenk, Jack Lustgarten, P. P. Nair, and Phillip Goldstein ................................................................. 3814

Environmental Factors and Breast and Prostatic Cancer.
P. Hill, L. Garbaczewski, P. Helman, A. R. P. Walker, H. Garnes, and E. L. Wynder ......................................................... 3817

Hormones and Mouse Mammary Tumorigenesis.
Daniel Medina ................................................................. 3819

Hormonal Regulation of the Metabolism of Carcinogens in Renal Tissue of BALB/c Mice.
Suresh Mohla, F. R. Ampy, K. J. Sanders, and Wayne E. Criss ................................................................. 3821

Report and Recommendations.
Samuel B. Tove ................................................................. 3824

Closing Remarks.
David Kritchevsky and Diane J. Fink ........................................ 3825
Cancer Research

41 (9 Part 2)


Updated version  Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/41/9_Part_2.citation

E-mail alerts  Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions  To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions  To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.